April, 5th 1998 Tim Wilksen, Oliver Karschnick

1.03

Forward Proton Spectrometer / Proton Remnant Tagger Electronics

Where:

Room 101, Rack N5
Room 101, Rack O1–O3

En Detail:
Room 101, aisle N, rack 5, lower most NIM crate
Room 101, aisle O, rack 1, C.A.E.N. / HV crate 1 and 2
Room 101, aisle O, rack 1, VME Crate
Room 101, aisle O, rack 2, uppermost 2 NIM crates
Room 101, aisle O, rack 3, 3 SEDAQ crates
Room 101, aisle O, rack 3, VME crate

Rack O1 is labeled "ROMAN POTS READOUT 1",
Rack O2 is labeled "ROMAN POTS READOUT 2",
Rack O3 is labeled "Roman Pots".

The Measurement

- Check that all 10 crates are powered (**ref. arrows**). In case of NIM crates check not only the power on light but also that the scaler LED displays are lightened.
- Check that both CAENs are powered (**ref. arrows**).

Acceptable Range of Values

Does not apply.

What to Record

If all 10 crates and both CAENs are powered, just write "O.K.".
If one of the crates is off, make a note in the checklist.

What to Do if a Crate Is Off

Please turn the page!

What to Do if a HV Crate (C.A.E.N.) Is Off

Call the Expert on Call

What to Do if the NIM Crate Is Off

If you are sure that no expert is working on the FPS (e.g. during access day), please switch it on again.

What to Do if a SEDAQ Crate Is Off

Call the FPS expert on call.

What to Do if One of the VME Crates Is Off or shows an ERROR

- In case the **VME crate, aisle O, rack 1 shows an error** please **reset** it. If it is **off** please **turn it on** again. After that **reload the FIC** on the FPS Mac, Room 307, Rack B19 by pressing the *Load* button. If you receive any error messages **take the FPS at the CDAQ out of the readout and call the FPS Expert on call**.

- In case the **VME crate, aisle O, rack 3, bottom** shows an *AC failure* please **reset it**. In case this **crate is off** please **turn it on** again. If there are still error messages **call the FPS Expert on Call**.

August, 7th 1998 Tim Wilksen, Oliver Karschnick

1.04

Forward Proton Spectrometer Temperatures

Where:

Room 101, Rack O2

En Detail: Room 101, aisle O, rack 2 –the uppermost crate contains one module with a LCD display, it's the leftmost one in this crate.

The rack is labeled "ROMAN POTS READOUT 2".

The Measurement

The switch allows you to choose a certain temperature measurement position corresponding to one of the FPS stations (labelled "64", "80V", "80H", "90") or to electronic racks for the horizontal stations (labelled "60ERack", "80H ERack") located in the tunnel.

Acceptable Range of Values

For all temperatures: below 39°C. If this limit is exceeded, a slow control alarm should occur.

What to Record

Record all 6 temperatures (ref. arrow) on the checklist.

What to Do if the Temperatures Are Too High

Call the FPS expert on cal !